



UU	UU	TTTTTTTTT	LL	DDDDDDDD	EEEEEEEEEE	FFFFFFFFFF	
UU	UU	TTTTTTTTT	LL	DDDDDDDD	EEEEEEEEEE	FFFFFFFFFF	
UU	UU	TT	LL	DD	DD	FF	
UU	UU	TT	LL	DD	DD	FF	
UU	UU	TT	LL	DD	DD	FF	
UU	UU	TT	LL	DD	DD	FF	
UU	UU	TT	LL	DD	DD	FF	
UU	UU	TT	LL	DD	DD	FF	
UU	UU	TT	LL	DD	DD	FF	
UU	UU	TT	LL	DD	DD	FF	
UUUUUUUUUU		TT	LLLLLLLLLL	DDDDDDDD	EEEEEEEEEE	FFFFFFFFFF	....
UUUUUUUUUU		TT	LLLLLLLLLL	DDDDDDDD	EEEEEEEEEE	FFFFFFFFFF	....

RRRRRRRR		333333		222222
RRRRRRRR		333333		222222
RR	RR	33	33	22
RR	RR	33	33	22
RR	RR		33	22
RR	RR		33	22
RRRRRRRR			33	22
RRRRRRRR			33	22
RR	RR		33	22
RR	RR		33	22
RR	RR	33	33	22
RR	RR	33	33	22
RR	RR	333333		2222222222
RR	RR	333333		2222222222

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UTLDEF.B32 - UTILITY DEFINITION MACROS FOR BLISS PROCESSING  
OF STARLET DEFINITION MACROS.  
Version 'V04-000'

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```
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MODIFIED BY:

V02-001 REFORMAT      Maria del C. Nasr      01-Aug-1980

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macros to extract offsets, field widths, etc., from field extraction macros

```
MACRO $BYTEOFFSET (OFFSET, POSITION, WIDTH, SIGN) = OFFSET%;
MACRO $BITPOSITION (OFFSET, POSITION, WIDTH, SIGN) = POSITION%;
MACRO $FIELDWIDTH (OFFSET, POSITION, WIDTH, SIGN) = WIDTH%;
MACRO $EXTENSION (OFFSET, POSITION, WIDTH, SIGN) = SIGN%;
MACRO $FIELDMASK (OFFSET, POSITION, WIDTH, SIGN) =
  (1^(POSITION+WIDTH) - 1^POSITION)%;
```

macro to generate eqlst constructs

## MACRO

```
SEQULST(P,G,i,s) [A]=  
  %NAME(P,GET1ST_ A) =  
    %IF NUL2ND_ A  
      %THEN (I) + %COUNT*(S) ! assumes i, s always generated by conversion program  
    %ELSE GET2ND_ A  
  %FI %;
```

```
GET1ST_(A,B)=
```

```
A-%,
```

```
GET2ND_(A,B)=
```

```
B-%,
```

```
! known non-null
```

```
NUL2ND_(A,B)=
```

```
%NULL(B) %;
```



0314 AH-BT13A-SE  
VAX/VMS V4.0

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